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## CLAIMS

1. A device for transmitting a 3D image, the device having a converter for converting 2D image signals representing a 3D image into image signals representing a 3D image, a transmitter means for transmitting 2D image signals to the converter and the converter in use being adapted to emit the image signals representing a 3D image whereby an observer is able to observe a 3D image represented by the image signals.
2. A device as claimed in claim 1, wherein the converter includes a screen from which the image signals representing a 3D image are able to be emitted.
3. A device as claimed in claim 2, wherein the screen includes an outer surface having a predetermined three dimensional topography.
4. A device as claimed in claim 3, wherein the converter includes wave means for receiving 2D image signals and emitting the 2D image signals from the outer surface as a plurality of image signals in directions corresponding to lines radiating perpendicular to a surface having a three dimensional configuration with a periodic pattern of peaks and troughs.
5. A device as claimed in claim 3, wherein the converter means includes wave means for receiving 2D image signals and emitting the 2D image signals from the outer surface as a plurality of multi-directional image signals together forming a periodic wave pattern.
6. A device as claimed in claim 5, wherein each of the multi-directional image signals radiates from the outer surface in a direction corresponding to part of a travelling wave front of a periodic wave form.
7. A device as claimed in claim 6, wherein the outer surface of the converter includes a plurality of image emitters each for emitting 3D image signals which individually represent part of a 3D image.
8. A device as claimed in claim 7, wherein the image emitters together emit 3D image signals which together represent a whole 3D image.

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9. A device as claimed in claim 8, wherein the image emitters are evenly distributed over an emitter surface of the converter.

10. A device as claimed in claim 9, wherein the  
5 screen has its outer surface as the emitter surface.

11. A device as claimed in claim 10, wherein the image emitters are adapted to emit image signals in a 3D radial pattern.

12. A device as claimed in claim 11, wherein each  
10 image emitter comprises portions of a surface having a 3D topography.

13. A device as claimed in claim 12, wherein the image emitters are physical components having a predetermined geometrical shape which is able to change  
15 the direction of 2D image signals passing therethrough to image signals representing part of a 3D image.

14. A device as claimed in claim 14, wherein each image emitter comprises an icon having a part hemispherical shape.

15. A device as claimed in claim 14, wherein each  
20 icon has a plurality of radial holes extending therethrough.

16. A device as claimed in claim 15, wherein the radial holes radiate from a virtual geometrical centre of  
25 the icon.

17. A device as claimed in claim 16, wherein each icon comprises a plurality of image signal emitting means located at a bottom end of each tube.

18. A device as claimed in claim 17, wherein each  
30 image signal emitting means comprises a pixel which emits image signals representing a 3D image upon receipt of 2D image signals representing a 3D image by the converter.

19. A device as claimed in claim 18, wherein the device comprises a screen surface having icons spread  
35 evenly thereover with the screen being in the form of a sheet of material formed of a predetermined shape.

20. A device substantially as hereinbefore described with reference to any one of Figures 1 to 4 in

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conjunction with Figure 14, 15, 16, 17 and 22 of the accompanying drawings.